

Four-Channel, Low-Level AC Conversion Module

Model LLAC4

The LLAC4 is a small peripheral that increases the number of low-level ac signals a datalogger can monitor. The module enables four datalogger control ports to emulate pulse counting channels by converting the low level ac signals to the logic levels read by the control ports. To use the LLAC4, the datalogger control ports must accept high frequency pulses. Dataloggers whose control ports accept high frequency pulses are our CR800, CR1000, CR3000, and CR5000. The CR200-series dataloggers are also compatible but the low-level ac signals must not exceed 1 kHz.

The LLAC4 is often used to measure up to four anemometers, and is especially useful for wind profiling applications. Compatible wind sensors are the 05103 Wind Monitor, 05106 Wind Monitor-MA, 05305 Wind Monitor-AQ, 03001 Wind Sentry Set, and 03101 Wind Sentry Anemometer (the 014A Anemometer and 034B Windset are not compatible).



The LLAC4 mounts directly to the backplate of our enclosures. A supplied cable connects the LLAC4 to the datalogger wiring panel.

Specifications

Power: 0.1 mA @ 12 Vdc

Minimum AC Input Voltage versus Output Square Wave Frequency:

<u>Input Sine Wave (mV RMS)</u>	<u>Output Range (Hz)</u>
20	1.0 to 20
200	0.5 to 200
2000	0.3 to 10,000
5000	0.3 to 20,000

AC Coupling Removal of DC Offset: up to ± 0.5 V

Input Hysteresis: 16 mV @ 1 Hz

Maximum AC Input Voltage: ± 20 V

Dimensions: 3.1" W x 2.1" H x 1.0" D (8.0 W x 5.4 H x 2.5 D cm);
4.5" W x 2.1" H x 1.0" D (11.2 W x 5.4 H x 2.5 D cm)
including base mounting flange

Cable Length: 2 ft (0.6 m)

Weight: 3.2 oz (92 g)



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